

COH-12726

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

107050751

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371INTERNATIONAL APPLICATION NO.  
PCT/EP00/04146INTERNATIONAL FILING DATE  
10 May 2000PRIORITY DATE CLAIMED  
14 May 1999TITLE OF INVENTION  
MOBILE DATA ACQUISITION DEVICE FOR PROCESSING DELIVERIES

## APPLICANT(S) FOR DO/EO/US

VAN SINDEREN, Johannes

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4.  The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 16 below concern document(s) or information included:

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A **FIRST** preliminary amendment.  
 A **SECOND** or **SUBSEQUENT** preliminary amendment.
14.  A substitute specification.
15.  A change of power of attorney and/or address letter.
16.  Other items or information:

International Search Report.

17.  The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5) ) :**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1000.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$860.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$710.00

International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$690.00

International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00

**CALCULATIONS PTO USE ONLY**

<b>ENTER APPROPRIATE BASIC FEE AMOUNT</b>	<b>=</b>	<b>\$ 890.00</b>	
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Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	<b>\$ 0.00</b>	
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<b>CLAIMS</b>	<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>	
Total claims	9 - 20 =	0	X \$18.00	\$ 0.00
Independent claims	2 - 3 =	0	X \$80.00	\$ 0.00
<b>MULTIPLE DEPENDENT CLAIM(S) (if applicable)</b>			<b>+ \$270.00</b>	<b>\$ 0.00</b>

<b>TOTAL OF ABOVE CALCULATIONS</b>	<b>=</b>	<b>\$ 890.00</b>	
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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	<b>\$ 0.00</b>	
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<b>SUBTOTAL</b>	<b>=</b>	<b>\$ 890.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).	<b>\$ 0.00</b>		

<b>TOTAL NATIONAL FEE</b>	<b>=</b>	<b>\$ 890.00</b>	
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property	<b>+ \$ 0.00</b>	
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<b>TOTAL FEES ENCLOSED</b>	<b>=</b>	<b>\$ 890.00</b>	
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<b>Amount to be refunded:</b>	<b>\$</b>
<b>charged:</b>	<b>\$</b>

a.  A check in the amount of **\$ 890.00** to cover the above fees is enclosed.

b.  Please charge my Deposit Account No. **18-0160** in the amount of **\$** to cover the above fees. A duplicate copy of this sheet is enclosed.

c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **18-0160**. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

Customer No. 007609  
Rankin, Hill, Porter & Clark LLP  
700 Huntington Building  
925 Euclid Avenue  
Cleveland, Ohio 44115-1405

  
SIGNATURE

David E. Spaw

NAME

34732

REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Johannes Van Sinderen

Serial No.: N/A Art Unit: N/A

Filing Date: Herewith

International Application No.: PCT/EP00/04146

International Filing Date: 10 May 2000

Title: MOBILE DATA ACQUISITION DEVICE FOR PROCESSING DELIVERIES

Examiner: N/A

Docket No.: COH-12726

PRELIMINARY AMENDMENT "A"

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please amend the above-identified application, prior to examination thereof, in the following manner.

IN THE CLAIMS:

Please amend the claims as follows:

1. (Amended) A mobile data acquisition device for use in deliveries comprising a reader (2) for reading machine-readable data apposed to an object to be delivered and further comprising an input system for receiving data identifying a recipient of the object being delivered, wherein the input system is incorporated into a recipient identification reader (3) that is adapted to read machine-readable recipient identifications.

2. (Amended) The mobile data acquisition device as claimed in claim 1, wherein the recipient identification reader (3) is designed to read articles selected from the group consisting of :

magnetic cards, chip cards, and transponders.

3. (Amended) The mobile data acquisition device as claimed in claim 1, wherein the device includes an input unit (5) to enter a personal identification code.

4. (Amended) The mobile data acquisition device as claimed in claim 1, wherein the device includes a data processing unit to execute electronic payments.

5. (Amended) The mobile data acquisition device as claimed in claim 1, wherein the device includes a mobile radio unit.

6. (Amended) The mobile data acquisition device as claimed in claim 1, wherein the device includes a site-locating unit.

7. (Amended) The mobile data acquisition device as claimed in claim 1, wherein the device includes a data memory adapted to store identification-specific data.

8. (Amended) The mobile data acquisition device as claimed in claim 1, wherein the device includes a mechanical/electrical interface to set up communication with a data exchange station and/or a remote control.

9. (Amended) An accessory module for a mobile deliveries data acquisition device, wherein the accessory module comprises a reader adapted to read machine-readable recipient identifications and an interface, said interface being adapted to communicate with an input system of the mobile data acquisition device.

IN THE ABSTRACT:

Please replace the original abstract with the following:

ABSTRACT OF THE DISCLOSURE

A mobile deliveries data acquisition device including a reader (2) for reading machine-readable data concerning objects to be delivered and an input system whereby recipient-identifying data may be input. The device further includes an accessory module for the delivery process of a mobile data acquisition device. The device improves upon known mobile data acquisition devices and/or accessory modules for such a device by minimizing the complexity of data processing and by automating recipient identification by including, as an input system, a reader (3) for machine-readable recipient identifications.

IN THE DRAWINGS:

Please replace the original drawing figure with the enclosed replacement sheet. A marked up copy of the replacement sheet of drawings is enclosed for the Examiner's convenience.

REMARKS

Attached hereto is a marked-up version of the changes made to the application by the present Amendment. If clarification of the amendment or application is desired, or if issues are present which the Examiner believes may be quickly resolved, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

The drawings have been corrected to include a reference numeral (2) that is used in the specification. No new matter has been added by this amendment.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 18-0160, our Order No. COH-12726.

Respectfully submitted,

RANKIN, HILL, PORTER & CLARK LLP

By: 

David E. Spaw, Reg. No. 34732

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(216) 566-9700  
Customer No. 007609

Attachment: Marked-up version of Amendments

IN THE CLAIMS:

The claims have been amended as follows:

1. (Amended) A mobile data acquisition device for use in deliveries comprising a reader (2) for reading machine-readable data apposed to objects an object to be delivered and further comprising an input system for receiving data identifying the a recipient of the object being delivered, wherein the input system is designed as the incorporated into a recipient identification reader (3) that is adapted to read machine-readable recipient identifications.

2. (Amended) The mobile data acquisition device as claimed in claim 1, wherein the recipient identification reader (3) is designed to read articles selected from the group consisting of :

magnetic cards, chip cards for, and transponders.

3. (Amended) The mobile data acquisition device as claimed in either of claims 1 and 2 claim 1, wherein the device includes an input unit (5) to enter a personal identification code.

4. (Amended) The mobile data acquisition device as claimed in one of claims 1 through 3 claim 1, wherein the device includes a data processing unit to execute electronic payments.

5. (Amended) The mobile data acquisition device as claimed in ~~one of claims 1 through 4~~ claim 1, wherein the device includes a mobile radio unit.

6. (Amended) The mobile data acquisition device as claimed in ~~one of claims 1 through 5~~ claim 1, wherein the device includes a site-locating unit.

7. (Amended) The mobile data acquisition device as claimed in ~~one of claims 1 through 6~~ claim 1, wherein the device includes a data memory adapted to store [in particular] identification-specific data.

8. (Amended) The mobile data acquisition device as claimed in ~~one of claims 1 through 7~~ claim 1, wherein the device includes a mechanical/electrical interface to set up communication with a data exchange station and/or a remote control.

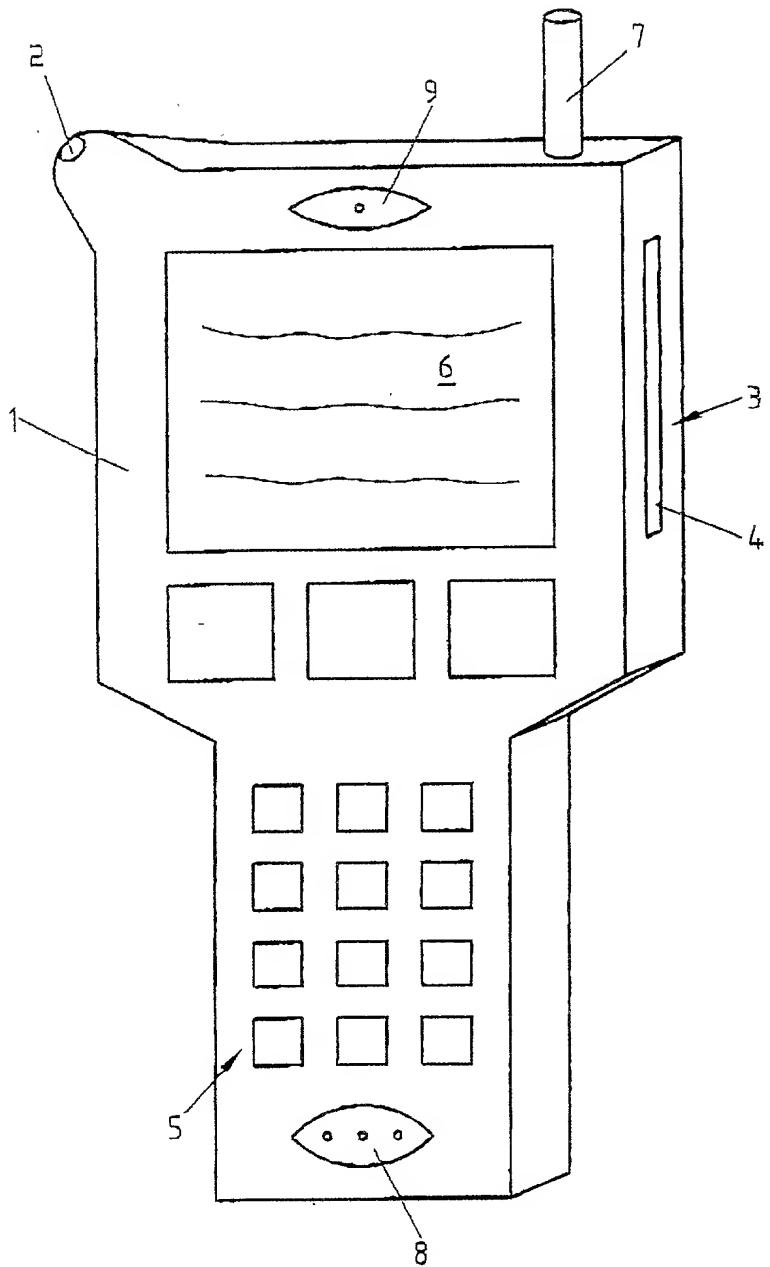
9. (Amended) An accessory module for a mobile deliveries data acquisition device, wherein the accessory module comprises a reader ~~to~~ adapted to read machine-readable recipient identifications and an interface ~~[appropriate for communicating with the]~~, said interface being adapted to communicate with an input system of the mobile data acquisition device.

IN THE ABSTRACT:

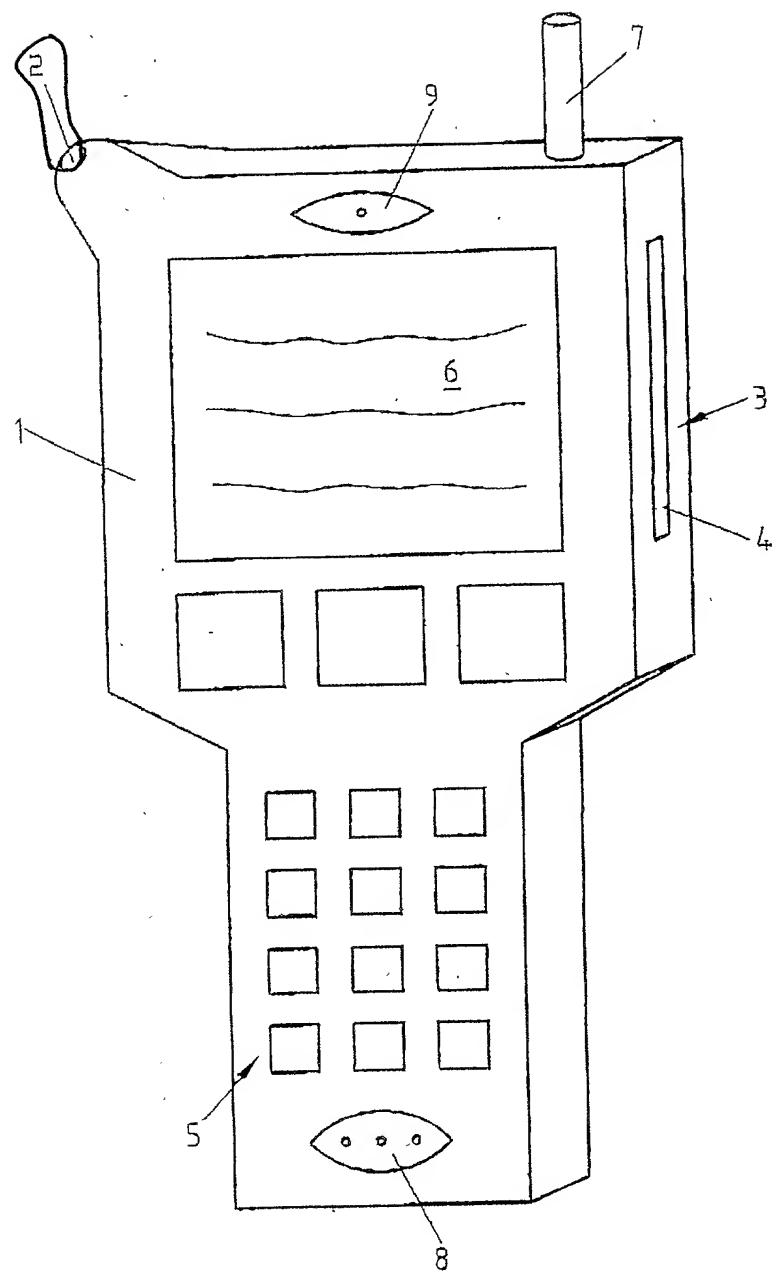
The Abstract of the Disclosure has been amended as follows:

ABSTRACT OF THE DISCLOSURE

~~[The invention relates to a]~~ A mobile deliveries data acquisition device ~~[comprising]~~ including a reader (2) ~~[of]~~ for reading machine-readable data concerning objects to be delivered and an input system ~~[of]~~ whereby recipient-identifying data~~[,]~~ may be input. The device further includes an accessory module for the delivery process of a mobile data acquisition device. ~~[Such a]~~ The device improves upon known mobile data acquisition ~~[device or an]~~ devices and/or accessory ~~[module]~~ modules for such a device ~~[is improved by the invention with respect to]~~ by minimizing the complexity of data processing and by automating recipient identification ~~[in that the]~~ by including, as an input system ~~[is designed as the]~~, a reader (3) for machine-readable recipient identifications.



10/030751



MOBILE DATA ACQUISITION DEVICE FOR PROCESSING DELIVERIES

This invention relates to a mobile data acquisition device to process deliveries and comprising a reader reading machine-readable data apposed to the objects being delivered and an input system receiving data identifying the objects' recipients.

Such mobile data acquisition devices used for delivery processing are known in the prior art especially as regards courier, express and parcel services. These known mobile data acquisition devices are used by the delivery enterprises to optimize their logistics. Illustratively when delivering a parcel, the delivery personnel reads data such as a bar code mounted on the parcel or data stored in a transponder, in particular by means of a bar code reader or a transponder reader. This process identifies the delivered object. When transferring the parcel to be delivered, and as regards the mobile acquisition devices of the present state of the art, receipt will be confirmed by the recipient by signing on a pressure-sensitive display. Thereupon the digitized graphic data relating to this signature are stored and then archived in data processing equipment of the delivery enterprise as proof if needed of delivery.

The known mobile data acquisition devices however incur the drawback in the first place of fairly high complexity in storing the digitized graphic data of the recipient's signature, and that the

processing of deliveries, which frequently run to six or seven figures a year, shall significantly load the delivery enterprise's data processing equipment. Another difficulty concerning the mobile data acquisition devices is that the actual recipient identification does not take place at object delivery, but only the comparison of signature with the digital data of the signature provided at delivery can be subsequently carried out. Manifestly it is impossible to store all signatures of potential addressees and to compare them with the signature offered at delivery. There follows some uncertainty at delivery whether the person accepting the object is actually its addressee. Moreover the digitized signature at the present time lacks legal recognition.

In light of the above prior art, it is an objective of the present invention to create a mobile data acquisition device which shall put little load on subsequent data processing equipment while allowing recipient identification already during delivery of the objects being transferred.

The above problem is solved in a first disclosure of the present invention in that the input system is designed as a reader for machine-readable recipient identification. Because the mobile data acquisition of the device of the invention may be fitted with means reading machine readable identifications such as are available in various forms to almost every natural person in the Western industrialized nations, the expense incurred for data acting as proof of delivery may be substantially reduced because now requiring no graphics data, but

only clear text data. Moreover machine readable identification allowing identifying the recipient on the spot, then, that when the addressee and the person taking the object are the same, only that information need be stored which relates to the object having been delivered to the identified addressee. Lastly various machine readable identifications meet the legal requirements set on identification and therefore are legally valid.

The acquisition device of the first disclosure of the invention supports the transfer process during collection/pickup, transportation, storage and delivery of boxing, wares and goods inclusive parcels, furthermore letters, written communications and other news.

In a first advantageous embodiment of the mobile data acquisition device of the invention, the reader reads magnetic cards, chip cards or transponders. At least as regards the Western industrialized countries, a high proportion of the people that are potential recipients carry magnetic cards, chip-cards/smart-cards or transponders enabling identification. These machine-readable identification are used by their owners within the scope of their business with banks, credit card enterprises and in the future in the form of ID chip cards for identification using the internet, as a driver licence or personal identification with digital signature.

A number of current machine readable identifications to prevent misuse are operative only in conjunction with the input of a personal identification code. In order to exploit this additional security

also in the mobile data acquisition device of the invention, said device provides an input system to enter a personal identification code.

The above-mentioned widely used machine readable identifications are frequently used for electronic payments. In particular as regards the delivery of COD parcels, the mobile data acquisition device of the invention may be designed in an especially practical application in that it comprises a data processing unit to implement electronic payment. The identification code in the sense of the present invention includes not only a numerical or letter code entered through a keypad but also biometric information provided by the recipient at delivery. This corroboration of identification using biometric information is already presently available to compare finger prints, facial features, timbre traits or features of the human eye and presumable genetic traits, namely the so-called biological bar code, may be checked in the future.

The above cited biometric identification codes may be used on one hand merely in that an ID chip card implements the identification if positive biometric identification takes place for instance upon applying a finger on a fingerprint sensor on the card. In such case therefore a personal identification code is used in the machine readable data. As a result subsequent and complex management takes are not needed.

Another approach is to store the identification code by means of the mobile data acquisition device in a central databank which

serves illustratively to prevent unauthorized use or to demand further information where high value transfers are involved. For that purpose the procedure-specific data may be illustratively prestored in the mobile data acquisition device or be radio-transmitted to it.

Because implementation of electronic payment in part of the systems depends on data comparison with a data processing facility at the related financial institution, advantageously a mobile radio unit shall be contained in the mobile data acquisition device of the invention for the purpose of connecting it to said data processing facility. This mobile radio unit furthermore may be used by the delivery personnel to communicate for instance with the delivery enterprise.

Following proof of delivery to an identified recipient, it may still be appropriate or advantageous to provide proof of site of delivery. For that purpose the mobile data acquisition device of the invention is also characterized by a further site-locating unit.

To preclude mandatory connection at each delivery between the mobile data acquisition device of the invention and the said delivery enterprise, advantageously said device shall also include a memory to store in particular identification-specific data.

In an especially advantageous design of said mobile data acquisition device regarding data transmission from it to a central unit and securing its power supply, said device is fitted with a mechanical/electrical interface for connection to a data exchange station and/or remote control.

To make easier passing from conventional data acquisition devices of the state of the art to one of the invention, the latter in some circumstances may be advantageously fitted with an input system designed not only as a reader for machine readable identifications offered by the recipient but furthermore offering heretofore known functions, namely a pressure-sensitive display to record client's signature.

A second disclosure of the present invention relates to an accessory module for a mobile data acquisition device used in deliveries. The above discussed objectives of the invention are met for such an accessory module by said second disclosure in that said module comprises a reader for recipient machine readable identifications and an interface which is appropriate for said communicating with said device's input system.

Such an accessory module of the second disclosure of the invention offers investment protection for the operational deliveries data acquisition devices of the past, present and future not yet implementing the present invention. Application of an accessory module of the second disclosure of the present invention allows attaining its advantages in that the machine readable reader's acquired identifications are transmitted through an interface, for instance of the infrared or radio type, to a matched mobile delivery acquisition device. Obviously too the accessory module of the second disclosure of the invention may also be advantageously developed further with respect

to the mobile data acquisition device in the light of the designs described in relation to the first disclosure.

A number of ways are open to design and further develop the mobile deliveries data acquisition device of the first disclosure of the invention and the accessory module for a mobile data acquisition device of the second disclosure of the invention. Illustratively such features are stated on one hand in the claims dependent on claim 1 and on the other hand in the description of an illustrative embodiment in relation to the drawing.

The drawing shows in perspective the single Figure of an illustrative embodiment of the invention of a mobile data acquisition device used in deliveries.

The illustrative embodiment of the invention of a mobile deliveries data acquisition device shown in the single Figure comprises a housing 1 fitted with a bar code reader 2 for the bar-code fitted objects being delivered and, according to the present invention, with a chip card reader 3 to read a recipient's chip card(s) omitted from the single Figure. Obviously and as already mentioned above, the invention is not restricted to the use of chip cards as machine readable identification. Illustratively a magnetic-strip fitted cash card or a credit card also may be used. Instead of using bar code readers, one may also use for instance scanners or transponder readers. Easily handled scanners for two-dimensional bar codes are already in use today.

When delivering, the delivery personnel as a rule first enters the bar code on the object being delivered by means of the bar code reader 2 into the mobile data acquisition device and then inserts a chip card into a slot 4 of the chip card reader 3, whereupon the recipient is identified for instance using a so-called digital signature.

Depending on the chip card system being used, recipient identification additionally may require entering a personal identification code using a typically numeric input unit 5.

To make delivery easy for the delivery personnel, the embodiment of a mobile data acquisition device of the invention comprises a display 6 allowing reading for instance recipient identity confirmation. Depending on the state of the art or applicability, this display may be an LCD screen or touch screen as in present-day so-called palmtops. In such a case the input keyboard could be optionally eliminated and inputs could be entered using a write pen or finger pressure.

The single Figure does not show that the illustrative embodiment of a mobile data acquisition device of the invention includes a data processing unit to execute electronic payments. As regards the so-called cash card system, this omitted data processing unit for instance may execute the electronic payment autarkically, that is without entailing a connection to a central data processing equipment (such as relate to gas stations, customer cards, credit cards etc).

Depending on circumstance, the generation of paper receipts also may be eliminated.

In case payment takes place through a so-called credit card system, it will be necessary in general to compare the data with those of a central data processing facility in order to attain payment confirmation. To attain this connection to a central data processing facility, the illustrative embodiment shown in the single Figure includes a mobile radio unit comprising a transmitter 7 to form a mobile radio network. This mobile radio unit moreover comprises a microphone 8 and a loudspeaker 9, and consequently the said illustrative embodiment of a mobile data acquisition device of the invention also allows remote voice communication.

In order to find the place of delivery for the illustrative embodiment of the mobile data acquisition device of the invention and to consummate this delivery, said device includes a locating system which in this case is a so-called global positioning system (GPS) not explicitly shown in the single Figure. By means of this locating system, the mobile data acquisition device of the invention is able to retain the site of delivery and to store it in a data memory (also omitted), together with the identification specific data.

Lastly the illustrative embodiment shown in the single Figure includes a mechanical/electrical interface, not shown in particular, namely a so-called Cradle interface, to set up communication with a data exchange and/or remote control by means of which the mobile data

acquisition device is connected for instance inside the delivery vehicle. A wireless interface, for instance an infrared interface, may also be used exclusively for data exchange.

The invention relates to a mobile multi-function data acquisition device for delivery of wares and/or cashless money transaction between generally different legal entities (risk transfer).

The data acquisition device identifies the wares by detecting the apposed bar code or the transponder by means of an integrated scanner. The recipient identifying data are secured by detecting the digital recipient signature of his/her chip card using an integrated chip card reader. Recipient's authority to use the card is ascertained by checking his/her pin code entered on the integrated keypad, or the numerical input at the LCD using a writing pen or by directly touching a touch screen. The said device's chip card reader also is able to read a credit cards, a cash card, etc. The procedure need not be backed by evidence because already reading the digital signature of these cards or of an additional signature card. The stored data may be transmitted by radio selectively immediately or following collection/storage by several procedures. Alternatively the transmission of a so-called Cradle can be executed in the batch method.

## CLAIMS

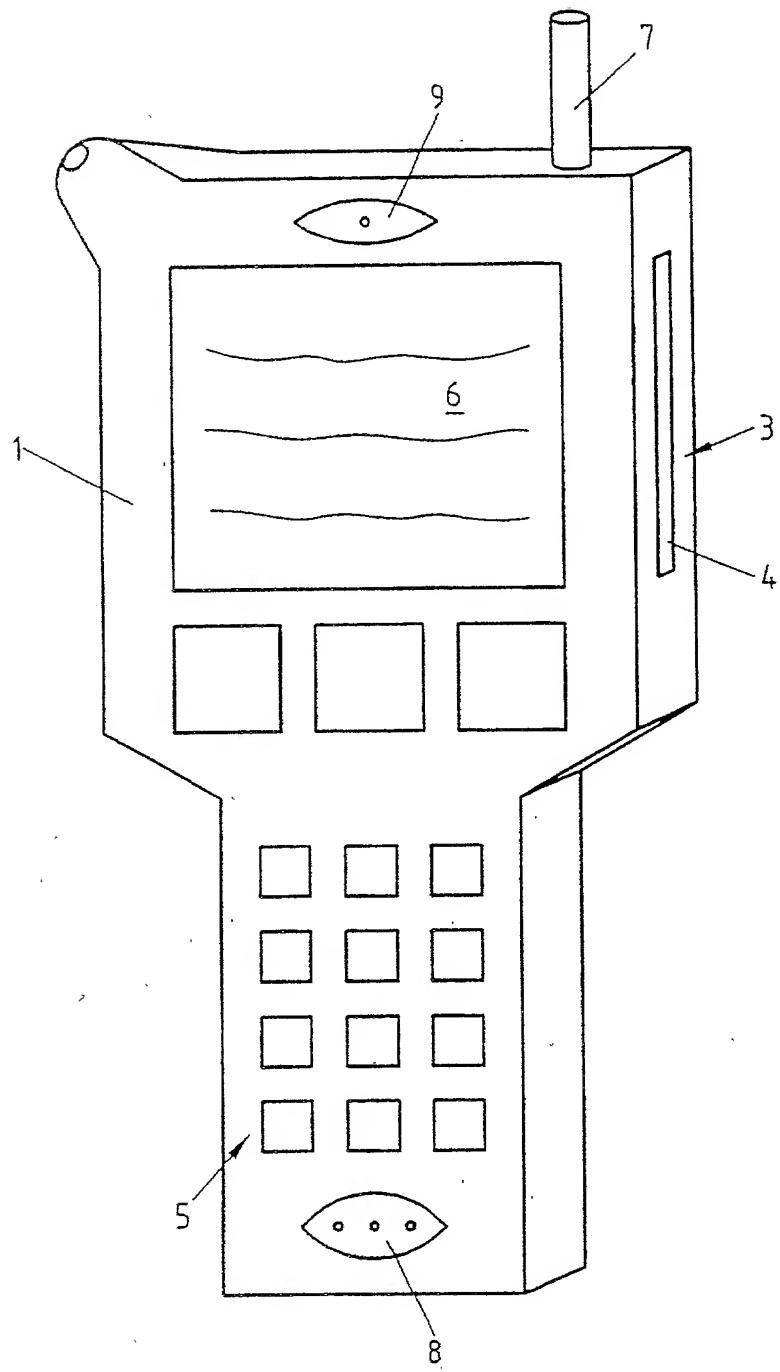
1. A mobile data acquisition device for use in deliveries comprising a reader (2) reading machine readable data apposed to objects to be delivered and further comprising an input system receiving data identifying the recipient, wherein the input system is designed as the reader (3) of machine readable recipient identifications.
2. The mobile data acquisition device as claimed in claim 1, wherein the reader (3) is designed to read magnetic cards, chip cards or transponders.
3. The mobile data acquisition device as claimed in either of claims 1 and 2, wherein the device includes an input unit (5) to enter a personal identification code.
4. The mobile data acquisition device as claimed in one of claims 1 through 3, wherein the device includes a data processing unit to execute electronic payments.
5. The mobile data acquisition device as claimed in one of claims 1 through 4, wherein the device includes a mobile radio unit.

6. The mobile data acquisition device as claimed in one of claims 1 through 5, wherein the device includes a site-locating unit.

7. The mobile data acquisition device as claimed in one of claims 1 through 6, wherein the device includes a data memory to store in particular identification-specific data.

8. The mobile data acquisition device as claimed in one of claims 1 through 7, wherein the device includes a mechanical/electrical interface to set up communication with a data exchange station and/or a remote control.

9. An accessory module for a mobile deliveries data acquisition device, wherein the accessory module comprises a reader of machine readable recipient identifications and an interface appropriate for communicating with the input system of the mobile data acquisition device.



PTO/SB/01A (10-00)

Approved for use through 10/31/2002, OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

As the below named Inventor(s), I/we declare that:

This declaration is directed to:

The attached application, or  
 Application No. PCT/BP00/04146, filed on 10 May 2000  
 as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**

Inventor one: Johannes Van Sinderen Date: 1.11.2001

Signature: Johannes Van Sinderen Citizen of: Netherlands

Inventor two: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Inventor three: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Inventor four: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

**Burden Hour Statement:** This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

4-00  
 See  
 Applications  
 Information  
 Enclosed.

## Applicant Information

Applicant Authority Type:: Inventor  
Primary Citizenship Country:: Netherlands   
Status:: Full Capacity  
Given Name:: Johannes  
Middle Name::  
Family Name:: Van Sinderen  
Name Suffix::  
City of Residence:: Kleve DE X  
State or Province of Residence::  
Country of Residence:: Germany  
Street of mailing address:: Eisemer Mann 2  
City of mailing address:: Kleve  
State or Province of mailing address::  
Country of mailing address:: Germany  
Postal or Zip Code of mailing address:: D-47533